True Integration

Loss of communications, can only mean one thing?

Videoconference and Collaborative Technologies

Agenda of The Presentation

- Business Integration
- Technology Integration
- Operational Integration
- Engineering Integration
- Future Integration

Videoconference and
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Business Integration

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Mission

Provide a reliable interactive communication capability that enables users to effectively share ideas, concepts and information

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Technology Integration

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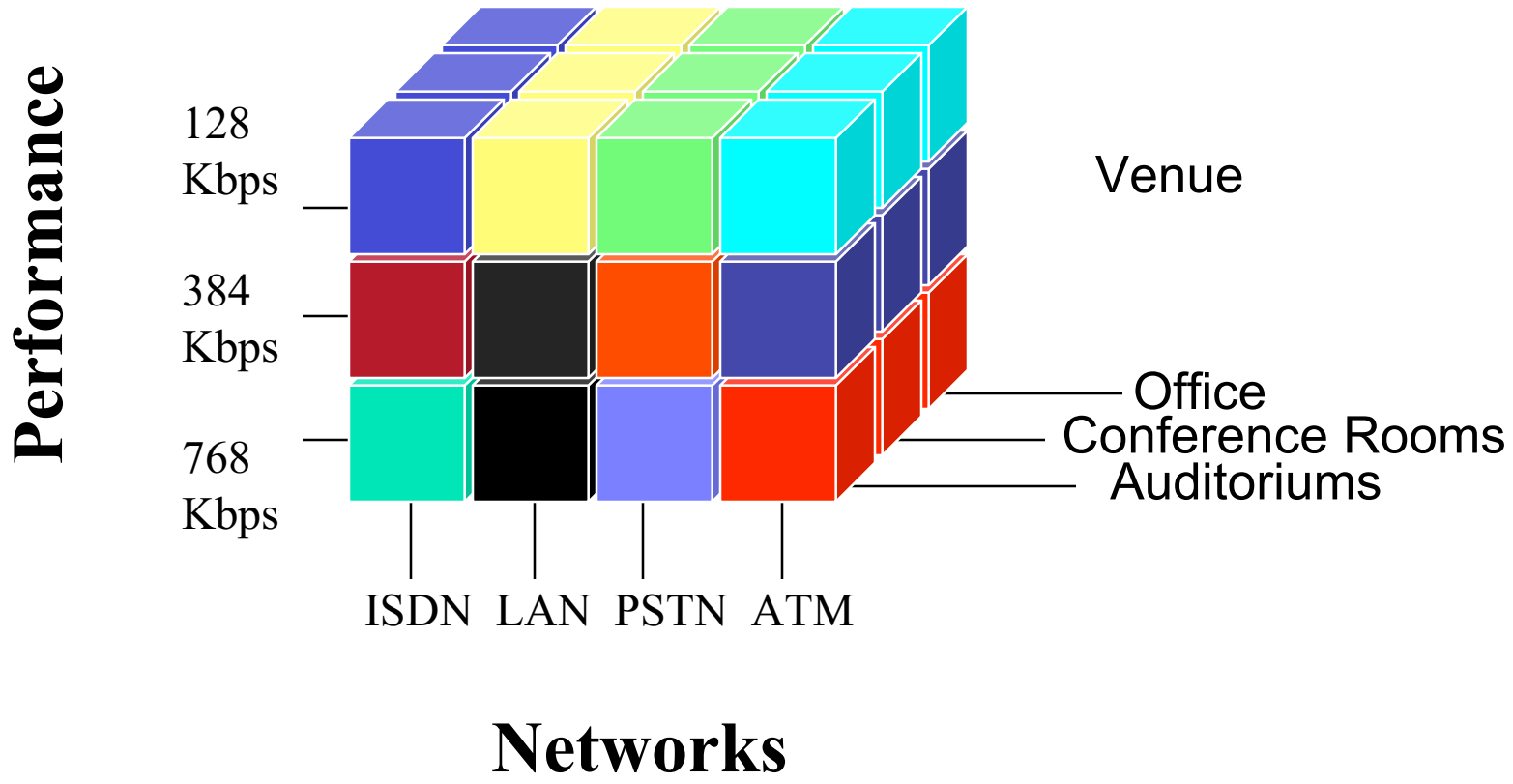
Complexity Cube



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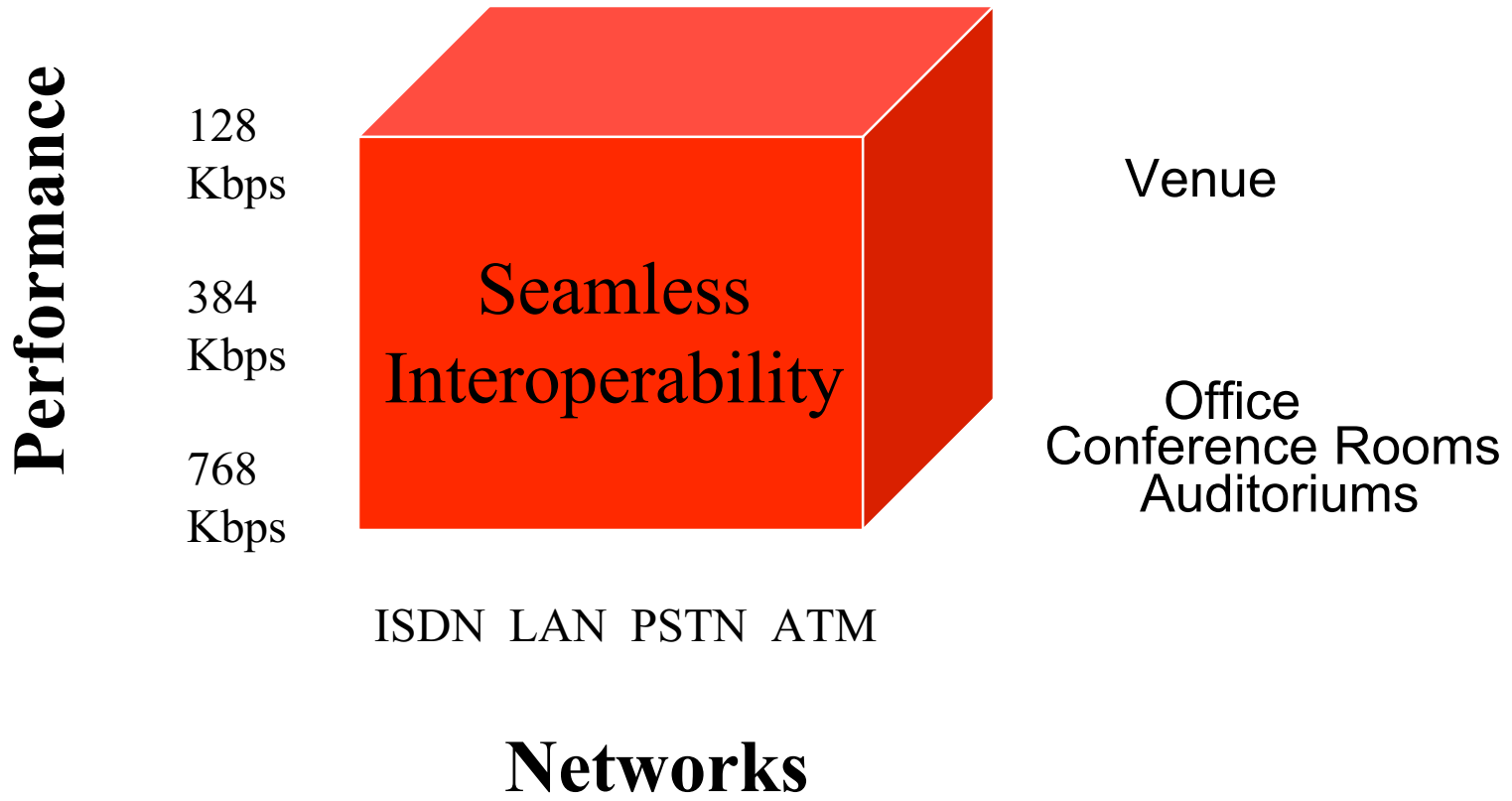
Perfect Integration



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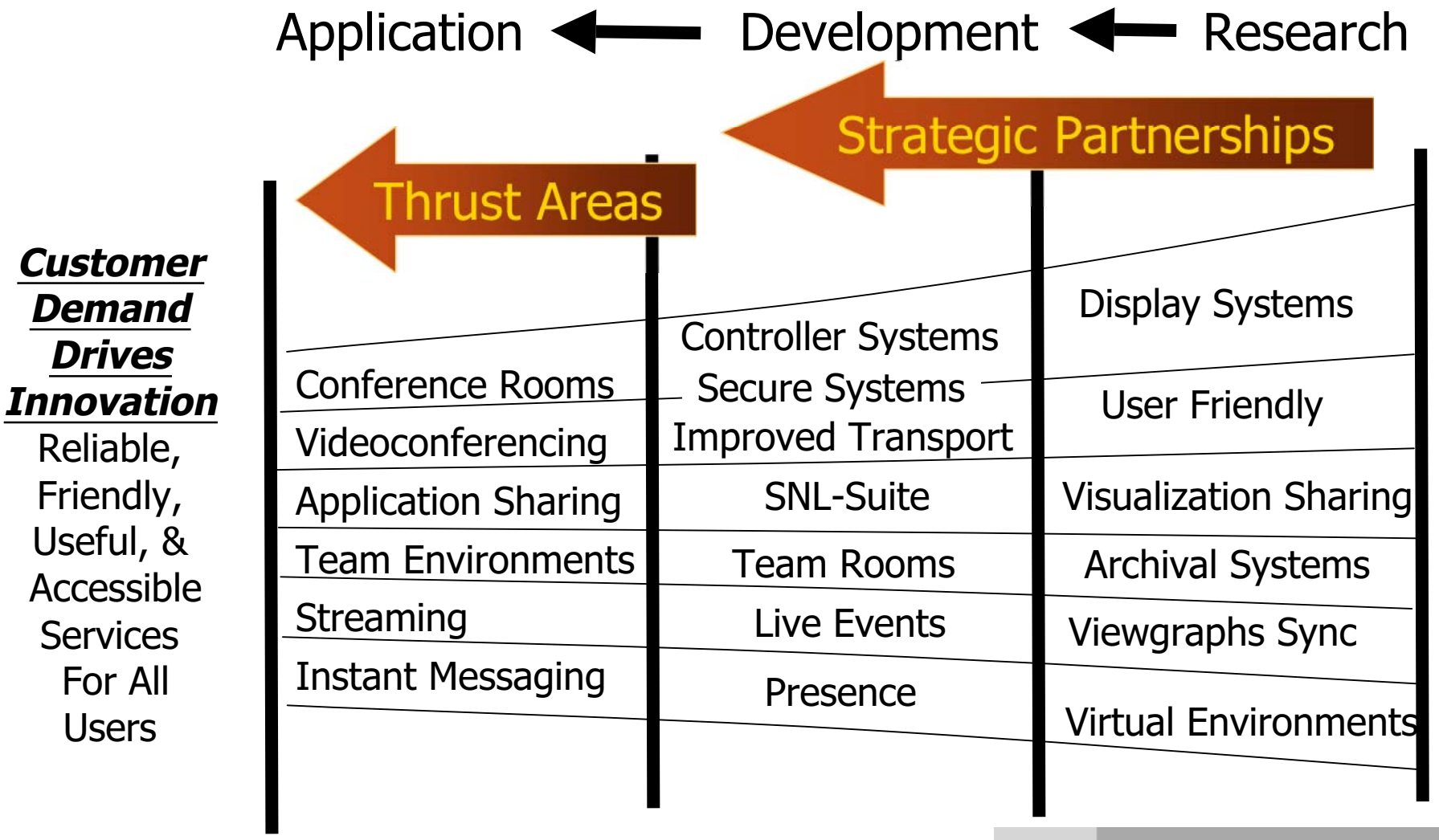
Collaborative Interactive Environments Technology Strategy



Integrated Security Challenges

Operational Integration

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Measures Of Business

- Set up over 5,000 videoconferences/yr
- Answer over 12,000 Scheduler/Help Desk calls/yr
- Host at least one major “Live Production” event/month

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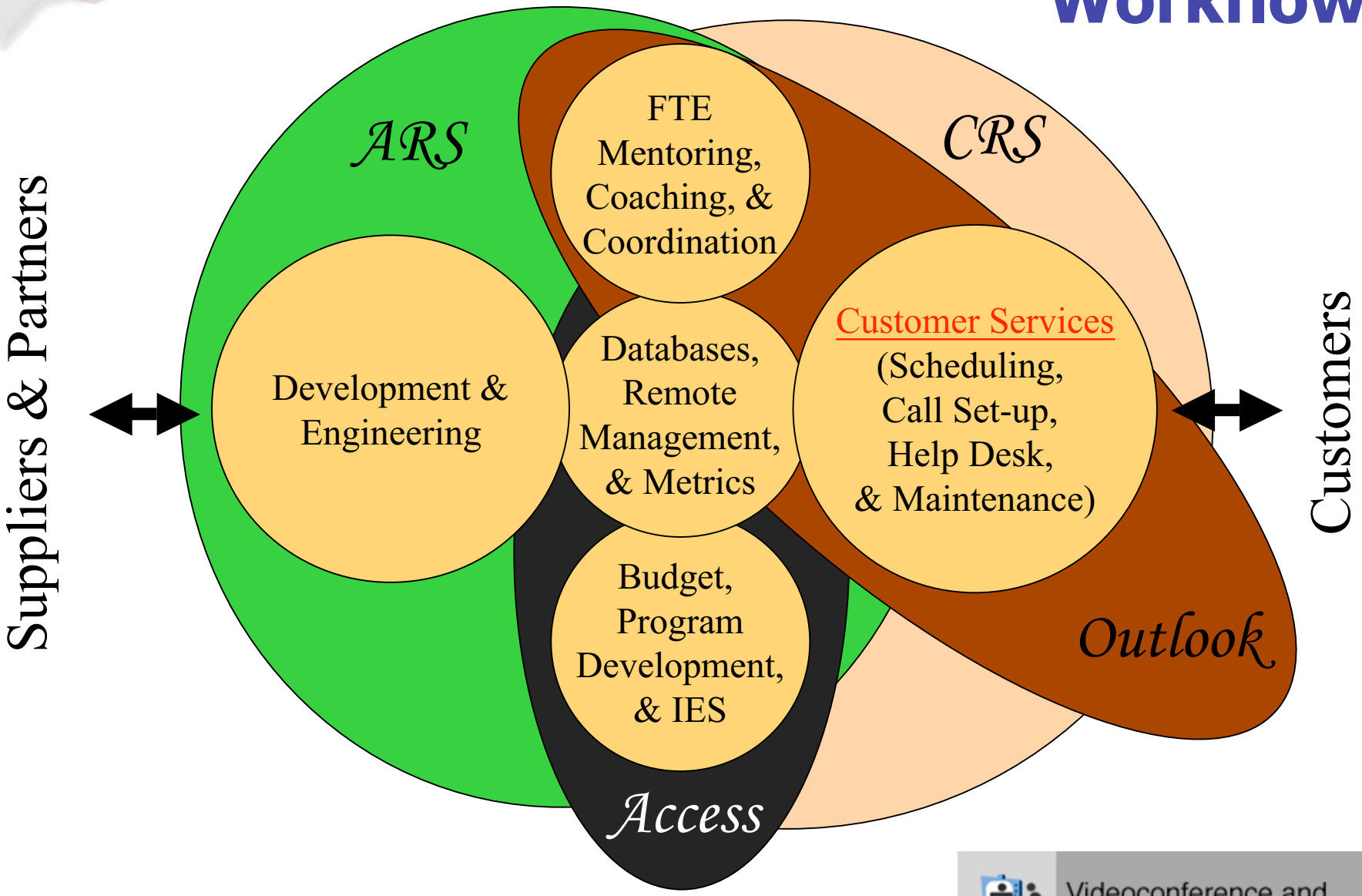
Workflow



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Engineering Integration

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Benchmark Improvement Summary

- Sandia's videoconference utilization (4%) could be improved with an increase of additional public rooms
- Significant quality improvements are possible through the use of standards (i.e., audio pickup, user interface, networks, collaborative tools, standard room designs)
  - Established a contract purchasing agreement to streamline standardization and insure quality installations (over 100 rooms in the first year)

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Typical Executive System

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Classified/Unclassified Security System Selector (S^3)

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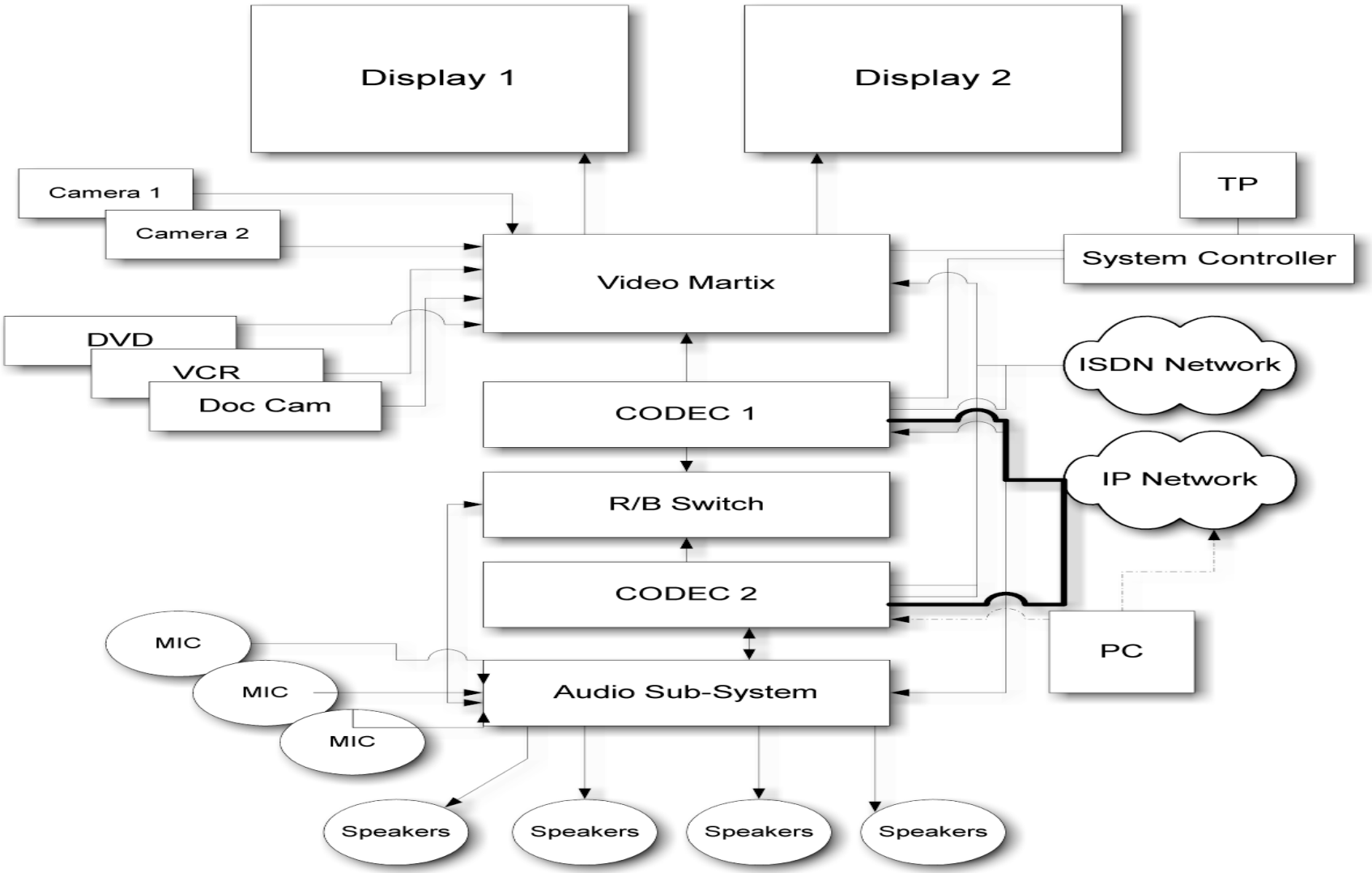
How we see a room…



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Custom System Design

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Custom System Design

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Custom Solutions

- Conceptual presentation room
- High level executive briefing
- Videoconferencing with data sharing

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Custom Solutions
Access Grid Node

- Full collaboration with AGN
- Videoconferencing with data sharing
- Graphics & video display

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Visualization Design Center

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Executive System Control

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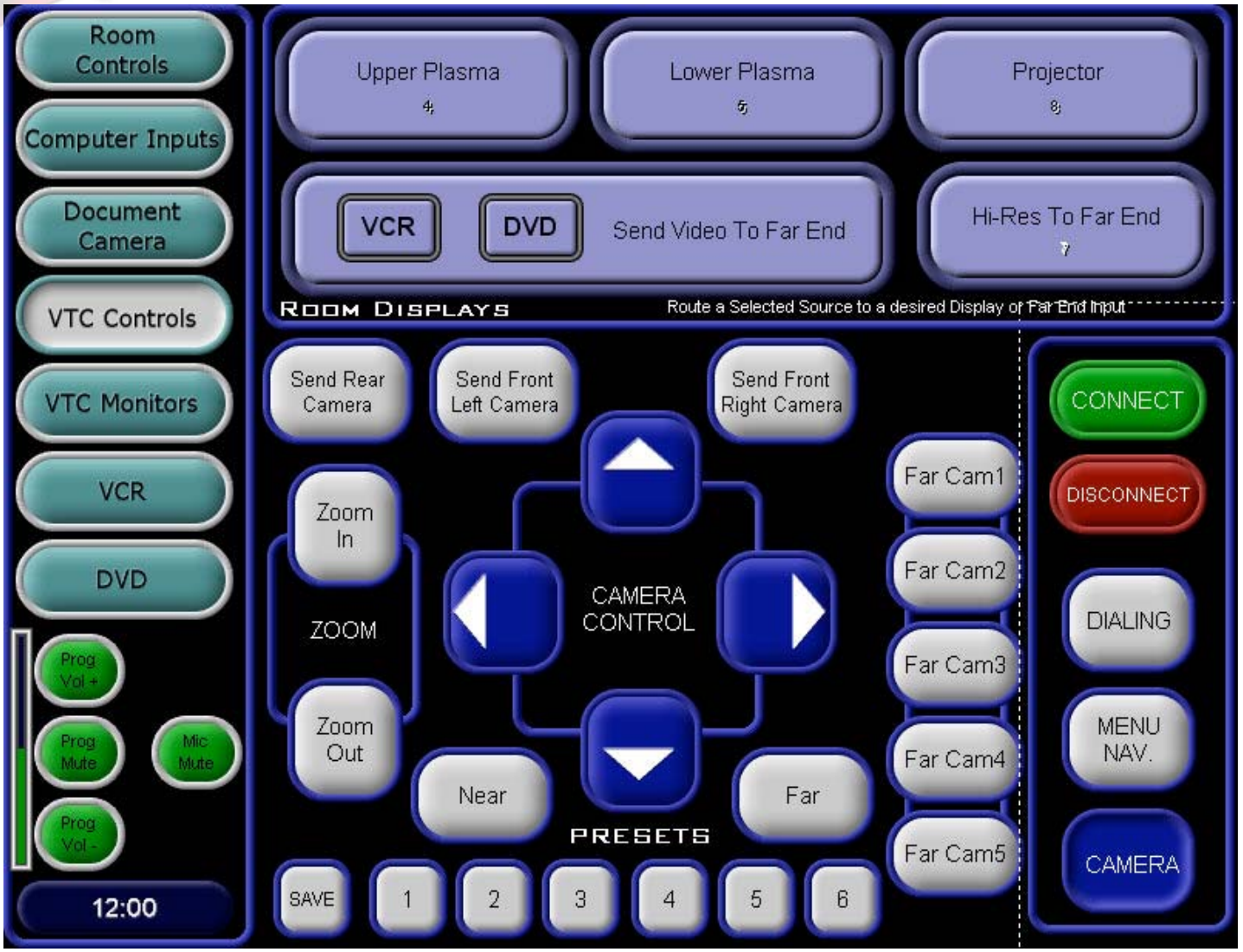
Friendly Interface



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Future

Integration

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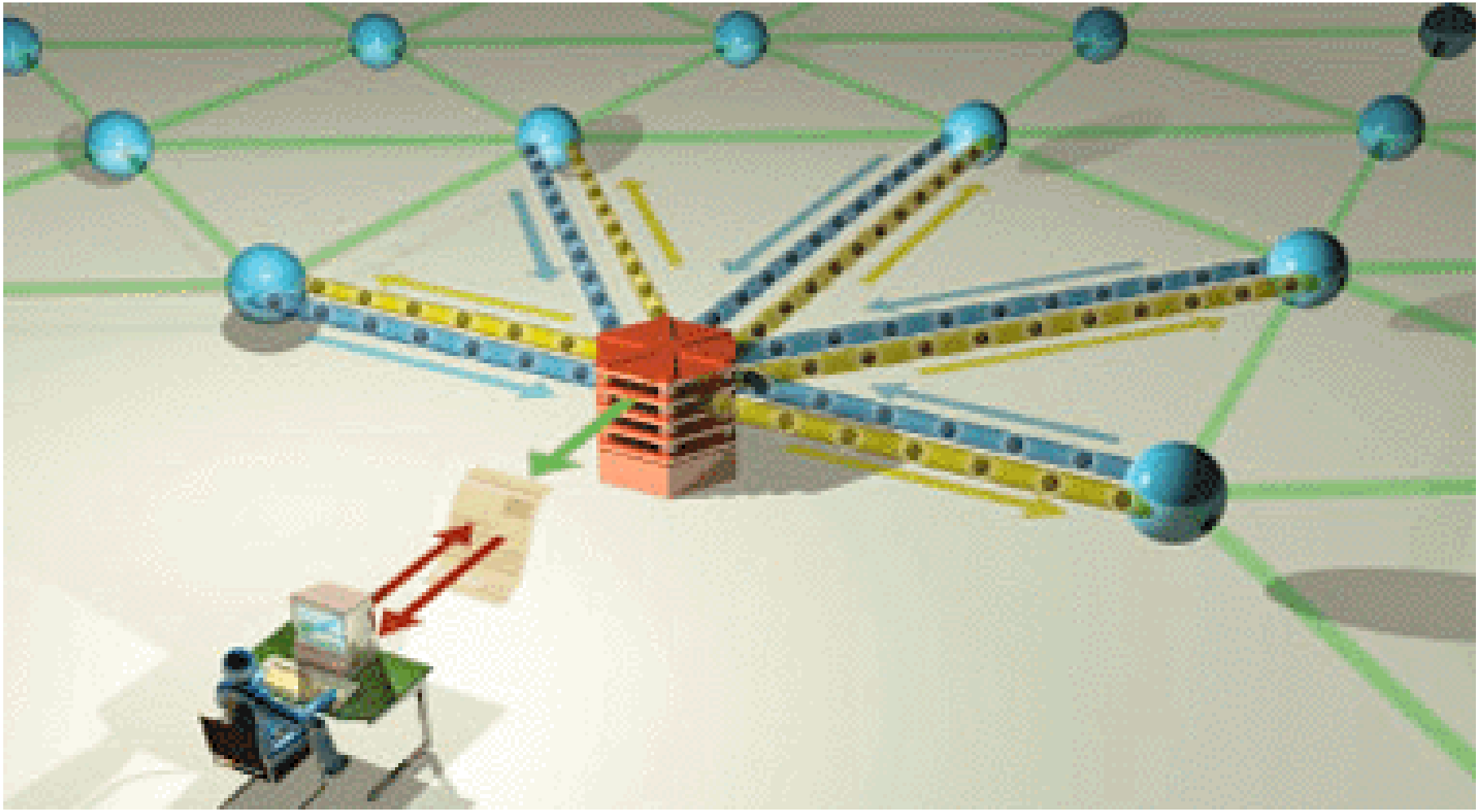
Network Grid



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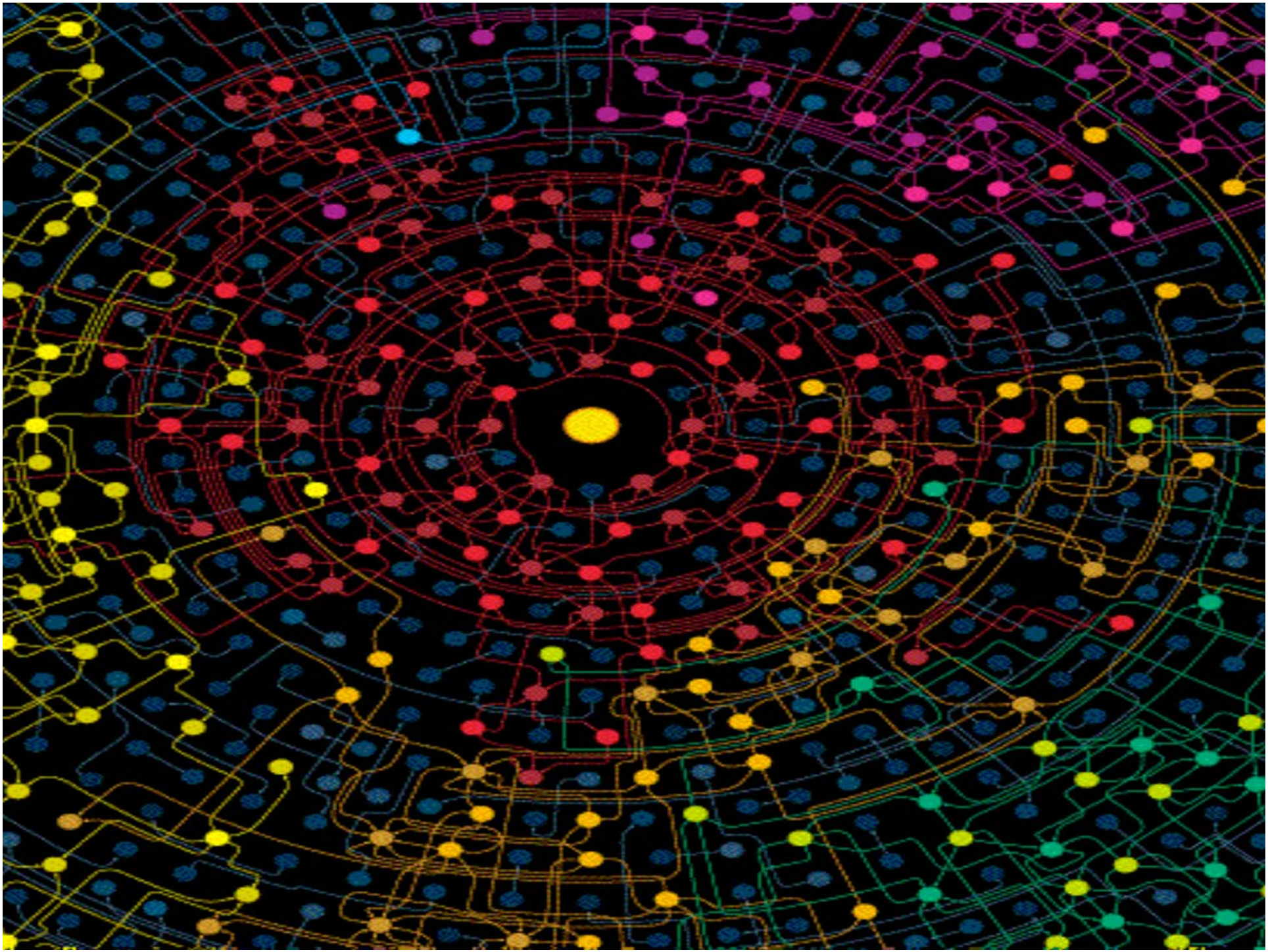

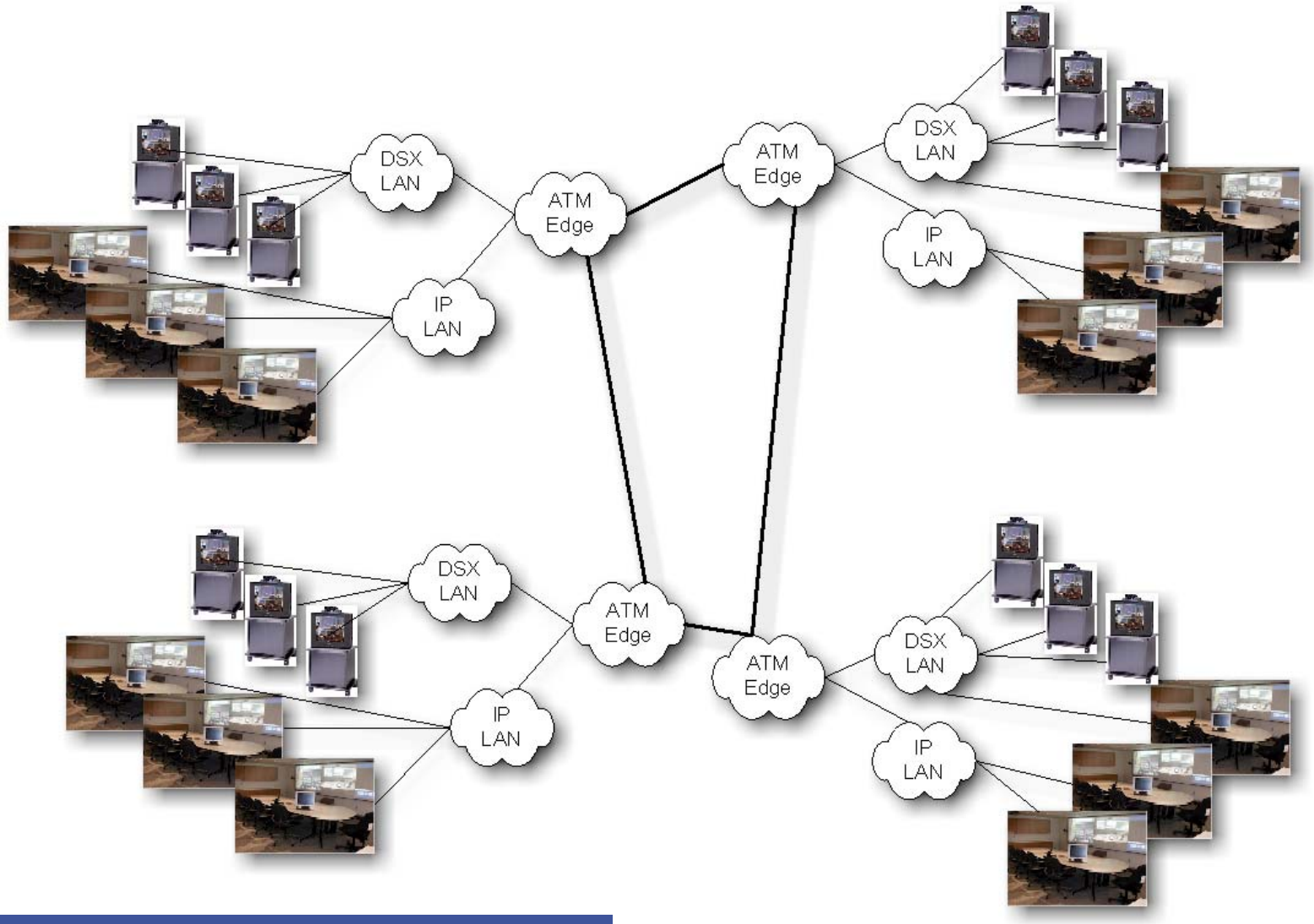

The enterprise is the system, not the room.

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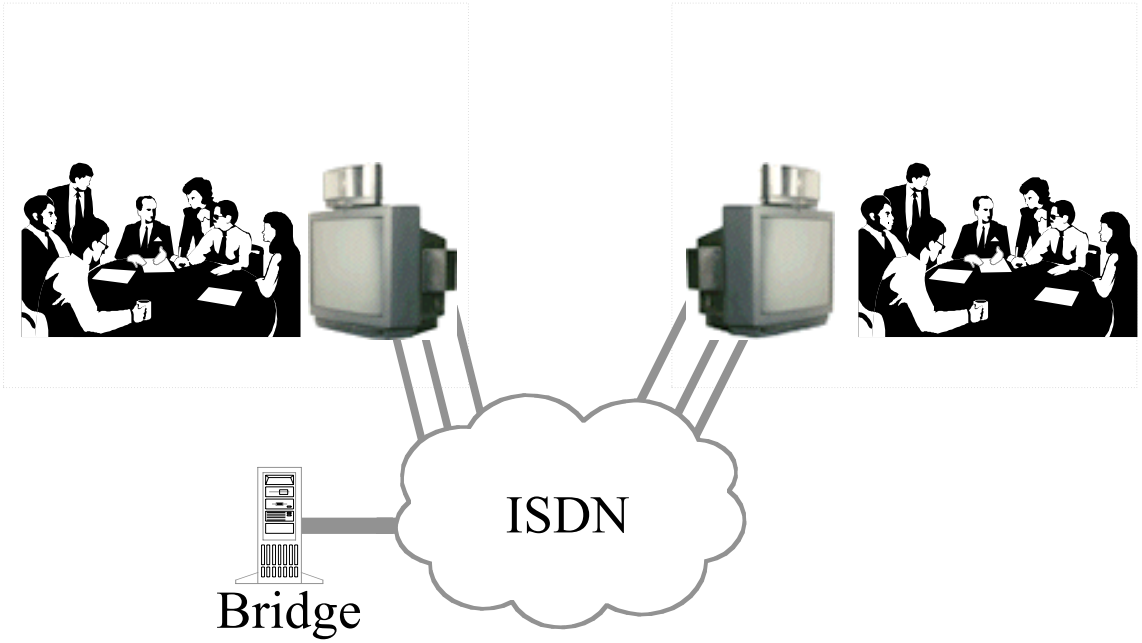
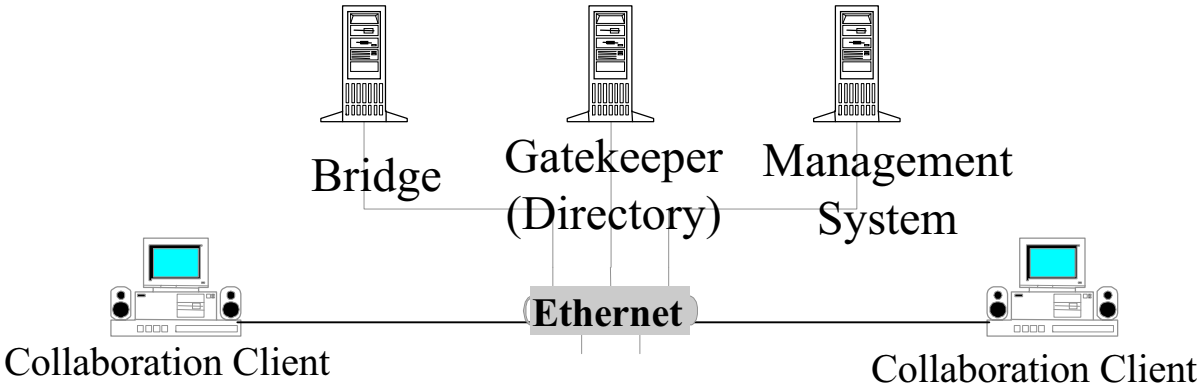
TYPICAL H.320 VIDEOCONFERENCING



H.323 ENVIRONMENT



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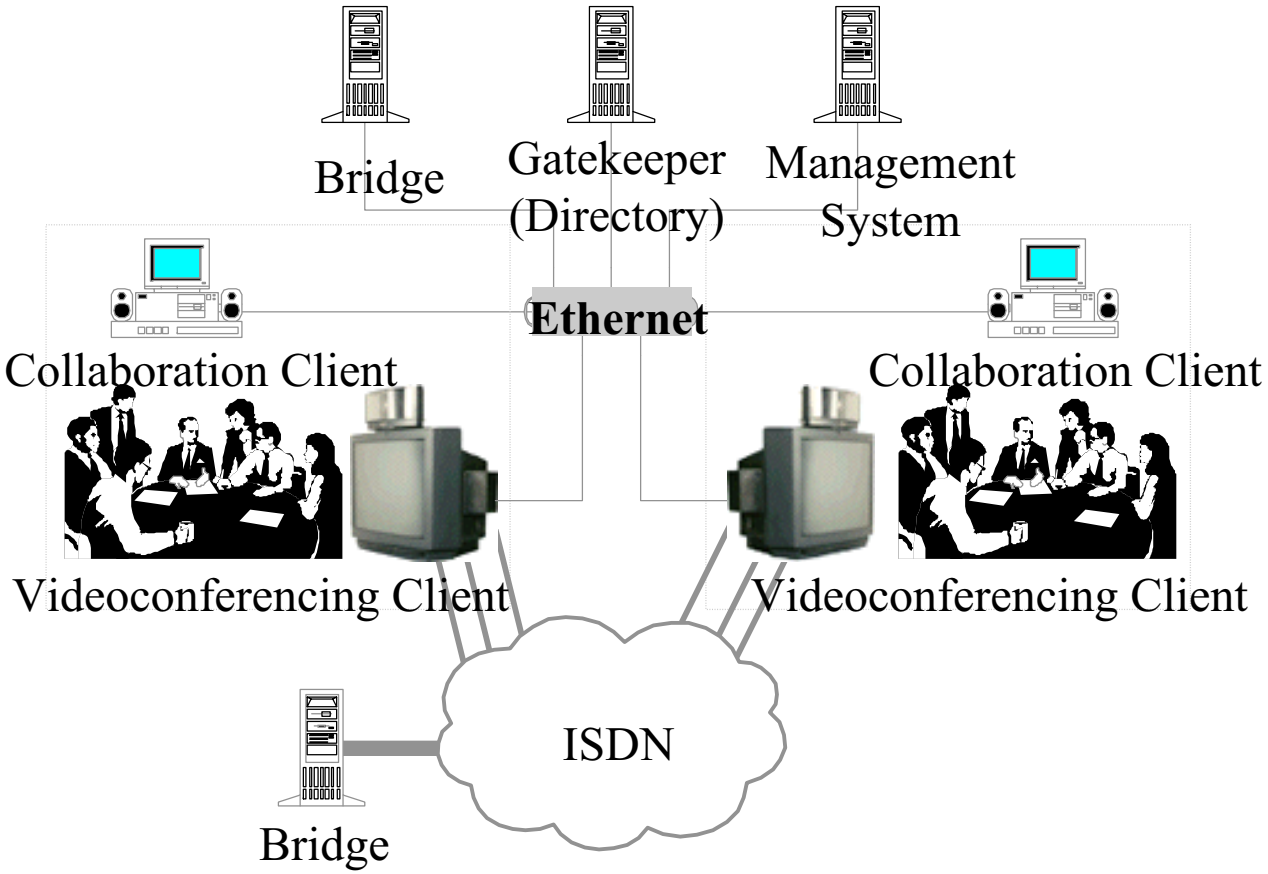
COLLABORATIVE ENVIRONMENT



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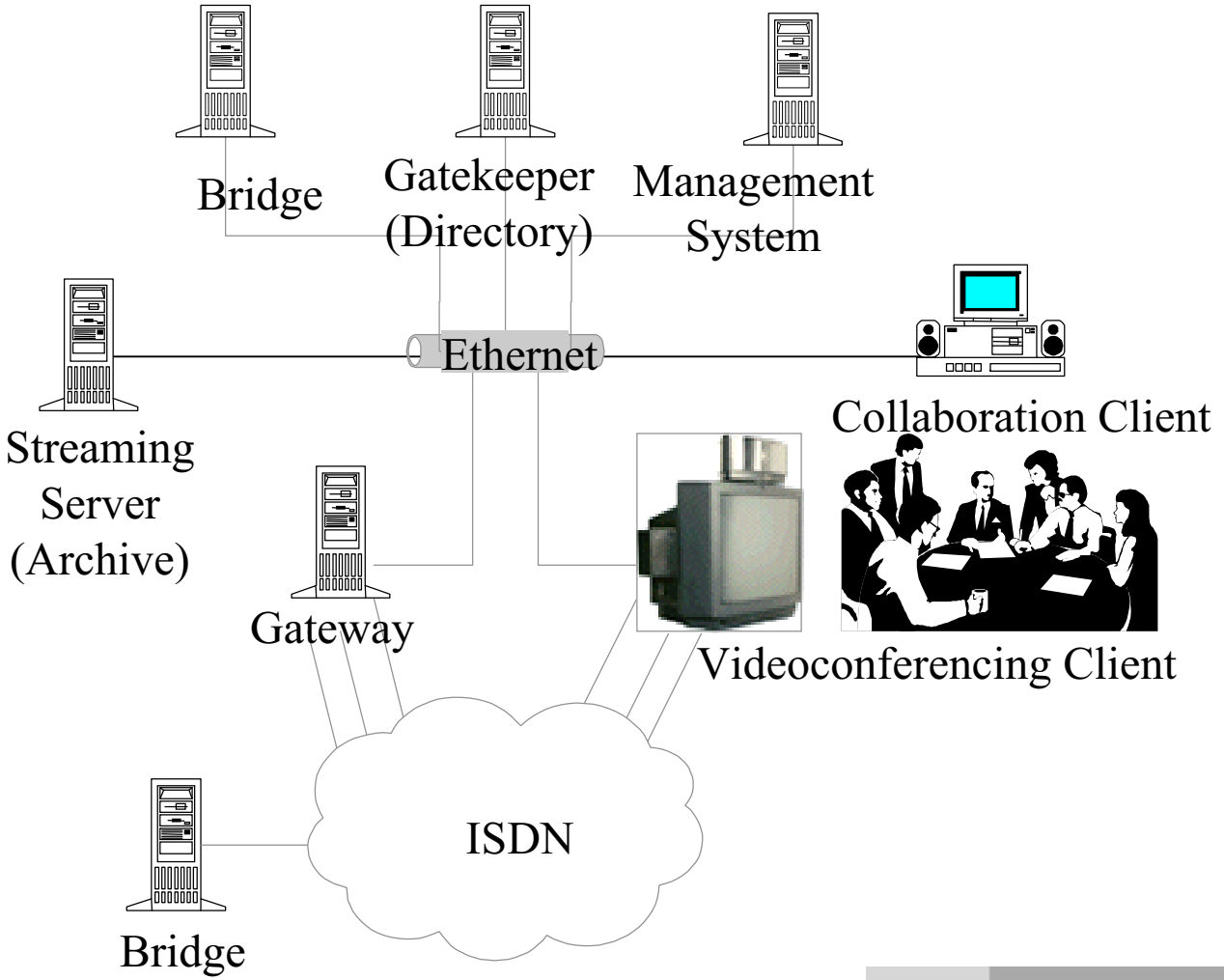
IDEAL TOPOLOGY



Questions?

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